

"APPROVED FOR RELEASE: 09/18/2001

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CIA-RDP86-00513R000723420010-2"

L 2733-66 EWT(m)/T/EWA(m)-2

ACCESSION NR: AP5024339

UR/0367/65/002/002/0261/0264

AUTHOR: Zakharov, V. I.; Kobzarev, I. Yu.

TITLE: The Ademollo-Gatto theorem and supercharged particles

SOURCE: Yadernaya fizika, v. 2, no. 2, 1969, 261-264

TOPIC TAGS: particle symmetry, unitary symmetry, strange particle, strong nuclear interaction

ABSTRACT: Ademollo and Gatto (M. Ademollo, R. Gatto, *Phys. Rev. Lett.*, 13, 264, 1964) showed that the vector constants of strange lepton decays of the baryon octet are not renormalized in the first approximation with respect to the semistrong interaction L_{MS} which destroys unitary symmetry. The authors show that the Ademollo-Gatto theorem is not true for the case of nonconservation of supercharge in the semistrong interaction regardless of whether there is a current which modifies the supercharge, and that renormalization of vector constants may be of the same order of magnitude as the change in masses. An example of $K^+ \rightarrow \pi^0 + e^+ + \nu$ decay is considered where K^+ belongs to the ordinary O^- octet. "The authors are grateful to L. B. Okun' for discussion of the work." Orig. art. has: 12 formulas.

Card 1/2

KORZAREV, I. Yu.; OKUN', L.B.; TERENT'YEV, M.V.

Note on S-odd multipole fields. Pis'm. v red. Zhur. eksper. i teoret. fiz. 2 no. 102466-469 N '65
(MIRA 1961)

1. Institut teoreticheskoy i eksperimental'noy fiziki. Submitted
September 28, 1965.

ZAKHAROV, V.I.; KOBZAREV, IIYu.

Vector constants of strange currents in the second approximation
with respect to moderately strong interactions. Izd. fiz. 1 no.6;
1050-1052 Je '65. (MIRA 18:6)

1. Institut teoreticheskoy i eksperimental'noy fiziki Gosudarst-
vennogo komiteta po ispol'zovaniyu atomnoy energii SSSR.

KOBZAREV, I.Yu.; OKUN', L.B.

Multiplication of currents by the admixture ΔT $3/2$ in
 Λ -hyperon decay. Izd. fiz. 1 no.6:1134-1136 Je '65.

1. Institut teoreticheskoy i eksperimental'noy fiziki Gosudarst-
vennogo komiteta po ispol'zovaniyu atomnoy energii SSSR. (MIRA 18:6)

L 13117-66 EWT(1)/EWA(m)-2 IJP(c) AT

ACC NR: AR6001773

SOURCE CODE: UR/0386/65/002/010/0466/0469

AUTHOR: Kobsarev, I. Yu.; Okun', L. B.; Terent'yev, M. V.

ORG: Institute of Theoretical and Experimental Physics (Institut teoreticheskoy i eksperimental'noy fiziki)

TITLE: A note on C-odd multipoles

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 2, no. 10, 1965, 466-469

TOPIC TAGS: parity principle, photon scattering, electromagnetic interaction, nucleon scattering, deuteron scattering, correlation statistics

ABSTRACT: The authors discuss briefly the possible presence of C-odd terms in vertex parts with $I \geq 1$. When $I = 1$ (e.g., deuteron) this term is shown to vanish for real photons. The effect will therefore be maximal for large-angle scattering of electrons. The coefficients in the term may become small. The smallness connected with the non-elementary nature of the nucleus is manifest in the smallness of the form factor, which can be naturally assumed to be the same for C-even and C-odd terms. Therefore, at large momentum transfer, one can expect correlation effects of the order of unity in the model of J. Bernstein, G. Feinberg, and T. D.

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L 13117-66

ACC NR: AP6001773

Lee (Columbia Univ. Preprint, 1965). It does not follow that the foregoing correlations must be additionally small in electron-deuteron scattering. For light nuclei, however, these effects are small and, furthermore, they can be estimated theoretically to a considerable degree. For a particle with spin I the number of C-odd multipoles is equal to integer or half-integer. In the general case (taking into account possible parity nonconservation), the number of corresponding multipoles is given in the table. The number of corresponding multipoles N in the third and fourth lines pertains to integer and half-integer I , respectively. The results of the table can be easily obtained by determining the number of states in the t-channel, where the particle and antiparticle with spin I form an "atom" with total angular momentum 1. Authors thank I. Ya. Pomeranchuk and B. M. Pontecorvo for useful discussions. L. B. Okun' is grateful to S. Coleman and S. Glashow for interesting discussions in Trieste. Orig. art. has: 2 formulas and 1 table.

CP	+1	-1	+1	-1
P	+1	+1	-1	-1
	$2I + 1$	I	I	$2I$
N	$2I + 1$	$I - 1/2$	$I + 1/2$	$2I$

4

SUB CODE: 20/ SUBM DATE: 28Sep63/ OTH REF: 003

Card 2/2 H/W

4-29670-66 ENT(1)/T IJP(c)
ACC NR: AT6012696

SOURCE CODE: UR/3138/65/000/385/0001/0011

44

4rd

5th

AUTHOR: 'Kobzarev, I. Yu.; Okun', L. B.; Terent'yev, M. V.

ORG: 'Institute of Theoretical and Experimental Physics of the State Committee
on the Use of Atomic Energy USSR, Moscow (Institut teoreticheskoy i eksperimental'-
noy fiziki Gos. komiteta po ispol'zovaniyu atomnoy energii SSSR)

TITLE: Remark concerning C-odd multipoles

SOURCE: USSR. Gosudarstvennyy komitet po ispol'zovaniyu atomnoy energii. Institut
teoreticheskoy i eksperimental'noy fiziki. Doklady, no. 385, 1965. Zamechaniye
o C-nechetnykh mul'tipolyakh, 1-11

TOPIC TAGS: parity principle, elementary particle, electron scattering, boson,
fermion, nuclear spin, quantum electrodynamics

ABSTRACT: The authors discuss the possibility of the presence of C-odd terms in
the vertices of particles of angular momentum $J \geq 1$ and show that in the case of
particles with spin $J > 1/2$ the violation of charge invariance in electrodynamics
leads to the appearance of C-odd form factors. The number of such form factors is
equal to $J - 1/2$ for fermions and J for bosons. The presence of a C-odd and ver-
tex parts with $J \geq 1$ can give rise to certain correlations which might become ob-

Cord 1/2

1 01076-67 EXP(1)

ACC NR. AP6028207

SOURCE CODE: UR/0367/66/003/006/1154/1160

AUTHOR: Kobzarev, I. Yu.; Okun', L. B.; Pomeranchuk, I. Ya.

ORG: Institute of Theoretical and Experimental Physics of GKIAE (Institut Teoreticheskoy i Eksperimental'noy Fiziki GKIAE)

TITLE: The possibility of experimental detection of mirror particles

SOURCE: Yadernaya fizika, v. 3, no. 6, 1966, 1154-1160

TOPIC TAGS: mirror particles, particle interaction, electromagnetic interaction, decay, neutrino, gravitation

ABSTRACT: The possible existence of "mirror" particles (R) in the solar system in addition to the usual particles (L) is considered in connection with the observed violation of CP-invariance in the $K^0 \rightarrow 2\pi$ decay. Their introduction restores the left-right equivalency. It is shown that mirror particles cannot interact with usual particles strongly, semi-strongly or electromagnetically. Weak interactions between L and R particles, due to the exchange of neutrinos, are possible. The L and R particles must have a common gravitational interaction. The question of the existence of macroscopical bodies (stars) consisting of R-matter and their possible

Card 1/2

KOBZAREV, Petr Artem'yavich; CHMOTIN, M.S., kand.tekhn.nauk, red.;
KULIN, P.V., red.; ZIRROVA, K.D., tekhn.red.

[Miniature thermoelectric power plants] Miniaturnye termo-
elektrostantsii. Pod red. M.S.Chmotina. Stalingrad, Knizhnoe
izd-vo, 1958. 34 p. (Thermoelectric generators)

KOBZAREV, P.A., tekhnik

We suggest. Nauka i shishni' 27 no.2:78 p '60.
(MIRA 13:6)

1. Elektrokardiograficheskiy kabinet bol'nitsy No.10,
Stalingrad.
(ELECTROCARDIOGRAPHY) (MEDICAL INSTRUMENTS AND APPARATUS)

"APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723420010-2

KOBZAREV, Yu. B.

"The Theory of a Vacuum-Tube Oscillator with Two Degrees of Freedom," Zhur. Tekh. Fiz., 20, No.11, 1950

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723420010-2"

1. KOBZAREV, Yu. B.
2. USSR (600)
4. Physics and Mathematics
7. Oscillations and Waves, G. S. Gurelik. (Moscow-Leningrad, State Technical Press, 1950). Reviewed by Yu. B. Kobzarev, Sov. Kniga, No. 10, 1951.

9. ~~Report~~ Report U-3081, 16 Jan. 1953, Unclassified.



KORZAREV, Yu.B.; BASHARINOV, A.Ye.

Effectiveness of search algorithms based on a method of test
steps with controlled duration. Radiotekh. i elektron.
no.9:1411-1419 8 '61. (MIRA 14:8)
(Electronic control)

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CIA-RDP86-00513R000723420010-2"

L 6325-56 EWT(m)/T/2WP(t)/EXP(b)/EWA(c) IJP(c) JD

ACCESSION NR: AP5019864

UR/0181/65/007/008/2450/2458

AUTHOR: Distler, G. I.; Kobzareva, S. A.

TITLE: Direct observation of active centers of semiconductor crystal surfaces

SOURCE: Fizika tverdogo tela, v. 7, no. 8, 1965, 2450-2458

TOPIC TAGS: electron microscopy, semiconductor crystal, crystal surface, surface active agent, silicon, single crystal

ABSTRACT: The authors describe a new electron-microscopic decoration method, developed at the Institut kristallografi AN SSSR (Institute of Crystallography AN SSSR), and based on selective crystallization of the decorating matter on those surface centers which are most active for the given crystallization chemical reaction. This method was used experimentally to investigate the surface of single-crystal p-type silicon (resistivity ~7 ohm-cm), grown from the melt by the Czochralski method. The surface of the crystal was grown and polished, and then treated with solutions of lead acetate (4%), thio-urea (2%), and caustic potash (2.8%) taken in a ratio 1:3:3. The reaction temperature was 30C. Corbin replicas of the surface were examined in a Hitachi-11 electron microscope. The decoration patterns showed the presence of distinct strips, alternately filled with discrete lead sulfide crystallites and without such crystallites. A distinction is made between

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L 6325-66

ACCESSION NR: AP5019864

several crystallization centers having different physical and chemical properties. Several typical decoration patterns and the histograms of the lead sulfide crystals grown on the different active centers are present. It is claimed in the conclusion that these experiments represent the first successful observation of the impurity structure of silicon surfaces with high resolution unattainable by any other method except electron microscopy. The method developed makes it possible to establish on the surface of the crystals the presence and the number of active centers, the geometry of their arrangement, and also the kinetics of their variation resulting from various surface processes. Orig. art. has; 6 figures and 1 formula.

ASSOCIATION: Institut kristallografii AN SSSR, Moscow (Institute of Crystallography, AN SSSR)

SUBMITTED: 16Mar65

ENCL: 00

SUB CODE: 88

NR REF Sov: 005

OTHER: 005

new
Card 2/2

KOBZDEJ, Wladyslaw (Strzegom)

Stanislaw Majerski's share in the evolution of Polish
hypsometric maps. Czasop. geograf. 34 no. 3:241-249 '63.

DISTLER, G.I.; KORZAREVA, S.A.

Direct observation of active centers of semiconductor crystal
surfaces. Fiz. tver. tela 7 no.8:2450-2458 Ag '65.

(MIKA 18:9)

1. Institut kristallografi AN SSSR, Moskva.

"APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723420010-2

KOZENKO, G.P.

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723420010-2"

SVYCHNIKOV, V.N.; KOBZENKO, G.Y.; KOCHERZHINSKIY, Yu.A.

Investigating by differential thermal analysis transformations in
chromium during heating and quenching. Issl. po sharopr. splav.
6:238-239 '60. (MIRA 13:9)
(Chromium—Heat treatment) (Thermal analysis)

8/601/60/000/011/003/014
D207/D304

AUTHORS: Svechnikov, V. N., Kobzenko, G. P., and
Kocherzhinskiy, Yu. A.

TITLE: On the problem of polymorphism of chromium

SOURCE: Akademiya nauk Ukrayins'koyi RSR. Instytut
metalofizyky. Sbornik nauchnykh rabot. no. 11.
1960. Voprosy fiziki metallov i metallovedeniya,
28-29

TEXT: The authors report observations on phase transformations in electrolytic chromium, reduced in hydrogen and subjected to zone refining in the Otdel tekhnologii splavov Instituta metallofiziki AN UkrSSR (Division of Alloy Technology, Institute of Metal Physics, AS UkrSSR) by V. G. Yepisanov. Differential thermal analysis was carried out using a method described by G. P. Kobzenko and Yu. A. Kocherzhinskiy (Ref. 2: Op. cit., pp. 160-163). The results obtained are shown in a figure as heating

Card 1/3

On the problem of...

S/601/60/000/011/003/014
D207/D304

curves obtained directly (I) and differentially (II). Curve I has a horizontal plateau representing melting. Curve I should be regarded as approximate because the apparatus was calibrated using the melting point of platinum (1773°C) as the upper temperature; the calibration graph had to be extrapolated beyond this point. Curve II shows no special features up to 1750°C . At this temperature, the curve begins to rise due to vaporization of chromium (the experiments were carried out in argon at a pressure close to atmospheric). At higher temperatures, curve II shows superposition of vaporization and melting. Neither curve I nor curve II has any features which might indicate allotrophic transformations. This contradicts the results reported by D. S. Bloom et al. There are 1 figure and 2 references: 1 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: D. S. Bloom, J. W. Putnam, N. P. Grant, J. of Metals, 4, no. 6, 626, 1952. [Abstracter's note: Essentially complete translation.]

SUBMITTED: September 15, 1959
Card 2/3

S/601/60/000/011/014/014
D207/D304

AUTHORS:

Kobzenko, G. F., and Kochershinskiy, Yu. A.

TITLE:

Differential thermal analysis of refractory
alloys

SOURCE:

Akademiya nauk Ukrayins'koyi RSR. Instytut
metalofizyky. Sbornik nauchnykh rabot. no.
11. 1960. Voprosy fiziki metallov i metallo-
vedeniya, 160-163

TEXT: The authors describe an apparatus for differential thermal analysis of metals and alloys at temperatures up to 2000°C. The apparatus was developed at the Otdel metallovedeniya Instituta metallofiziki AM USSR (Metallography Division, Institute of Metal Physics, AS UkrSSR). The main novel features of the apparatus are its thermolectric detector and its thermostat. A cylindrical sample (10 in Fig. 1) is placed in a refractory crucible 7 with a ceramic cover 9. The crucible stands freely

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8/601/60/000/011/014/014
D207/D304

Differential thermal...

at a thermocouple 6. Another thermocouple 4 is separated from 6 by a ceramic plate 5 and lies on a plate 3. The couple 4 serves as the standard; it records the conditions within a molybdenum or tungsten thermostat. The thermostat consists of a casing 13 and a cover 12; it is insulated from the sample and the couples by a ceramic cylinder 11 with a cover 8, and it is fixed to a ceramic tube 14. Leads 1 of the thermocouples are protected by a ceramic tube 2. The detector thermocouple is shown in greater detail in a second figure. The thermostat is placed in a furnace with a tungsten heater and water-cooled copper leads. Thermal insulation of the furnace is provided by ceramic and metal shields as well as an outer water-cooled metal jacket. The heater is supplied by two 1.2 kW transformers. The working space is evacuated to 10^{-3} mm Hg or filled with argon. For this purpose, pumps 4(B)-100 (TsVL-700) and 8H-461 (VN-461) are used. Vacuum measurements are carried out with gauges LT-2 (LT-2) and BT-2 (VT-2). The apparatus is

Card 243

35279

18.1735
S/601/61/000/013/011/017
D207/D302AUTHORS: Svechnikov, V. N. and Kobzaenko, G. F.

TITLE: An investigation of the ternary system chromium-niobium-molybdenum

SOURCE: Akademiya nauk Ukrayins'koyi RSR. Instytut metalofizyky. Sbornik nauchnykh rabot, no. 13, 1961. Voprosy fiziki metallov i metallovedeniya, 115-117

TEXT: The authors report some results on the composition and hardness of Cr-Nb-Mo alloys prepared by melting in an argon-filled arc furnace. After annealing at 1550°C for 32 hours and quenching, two homogeneous phases, α and β , and a two-phase region ($\alpha + \beta$) were found. Differential thermal analysis of the pseudobinary alloys Cr₂Nb-Mo gave a constitutional diagram with a eutectic point at 15% Mo and a peritectoid transition at 1620°C. Hardness was measured with the BIM-1M (VIM-1M) apparatus using a diamond indentor in vacuum. It was found that addition of Nb and Mo to Cr increased

Card 1/2

An investigation of ...

S/601/61/000/013/011/017
D207/D302

the latter's hardness at temperatures up to 1000°C. There are 2 figures and 1 table.

SUBMITTED: August 15, 1960

Card 2/2

X

8/137/62/000/008/033/065
A006/A101

AUTHORS: Svechnikov, V. N., Kobzenko, O. P.

TITLE: On the investigation of ternary system chromium-columbium-molybdenum

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 8, 1962, 24, abstract 81159.
("Sb. nauchn. rabot In-ta metallofiz. AN UkrSSR", 1961, no. 13, 115 :
117)

TEXT: Differential thermal and microscopical analyses and hardness measurements during heating were used to investigate Cr-Nb-Mo alloys melted in an arc furnace in argon atmosphere from pure initial materials; the materials were annealed at 1,550°C for 32 hours in argon atmosphere and quenched from this temperature. A phase diagram of a quasi-binary Cr₂Nb-Mo section of the Cr-Nb-Mo system was plotted; this diagram pertains to the eutectic type with eutectics at 15% Mo and an eutectic horizontal at 1,680°C. At 1,630°C a peritectoid transformation is observed which is caused by the presence of polymorphism in the Cr₂Nb intermetallic at 1,620 C. The ranges of the ϵ - and β -phases occur up to a Mo content <1.5%. Alloying of Mo and Nb promotes the preservation of the initial Cr hardness

Card 1/2

S/601/62/000/016/029/029
E111/E451

AUTHORS: Svechnikov, V.N., Kocherzhinskiy, Yu.A., Shurin, A.K.,
Pan, V.M., Spektor, A.Ts., Kobzenko, G.F., Boyko, Yu.A.

TITLE: Equipment for the physico-chemical investigations on
high-melting chemically active metals

SOURCE: Akademiya nauk Ukrayins'koyi RSR. Instytut metallofizyky.
Sbornik nauchnykh rabot, no.16. Kiev, 1962. Voprosy
fiziki metallov i metallovedeniya. 220-230

ABSTRACT: The following equipment has been developed over several
years in the Otdel metallovedeniya (Department of Science of
Metals) of Institut metallofiziki AN UkrSSR (Institute of Physics
of Metals AS UkrSSR) for studying alloys such as chromium-niobium-
titanium. 1) Arc furnace, including casting facilities, in which
vacuum to 10^{-2} mm is followed by admission of argon to a
pressure of 0.2 atm. [Abstracter's note: 10^{-2} mm is a very poor
vacuum and the equipment would not work as described.] The argon
is then purified in the furnace by a molten titanium getter.
A rotary arrangement enables a clean section of the inspection
window to be moved into position without breaking the vacuum.
A stage purification plant in which air and moisture are removed
Card 1/2

ACCESSION NR: AT4010700

S/2601/63/000/017/0209/0210

AUTHOR: Kocherzhinskii, Yu. A.; Kobzenko, G. P.; Pan, V. M.; Sviridenko, V. N.;
Yupka, L. M.

TITLE: Calibration of the VR-5/20 thermocouple according to critical points up to
3000C. Determination of the melting points of vanadium and niobium of high purity

SOURCE: AN UkrSSR. Instytut metalofizyky. Sbornik nauchnykh trudov, no. 17,
1963. Voprosy fiziki metallov i metallovedeniya, 209-210

TOPIC TAGS: thermocouple, VR-5/20 thermocouple, thermocouple calibration,
vanadium, niobium, vanadium melting point, niobium melting point, tungsten rhenium
alloy

ABSTRACT: After calibration studies using the melting points of silver, gold,
iron, nickel, palladium, platinum, chromium, molybdenum, and tantalum had shown
that the VR-5/20 thermocouple (consisting of electrodes made of tungsten alloys
containing 5 and 20% rhenium, respectively) could be used for the accurate de-
termination of temperatures up to 3000C, the authors applied the technique of
V. S. Mikhayev to the determination of the melting points of vanadium (1950C)
and niobium (2520C). "In conclusion, the authors would like to thank A. M.
Gurevich and Ye. I. Pavlova for making the thermocouple available." Orig. art.

Card 1/2

ACCESSION NR: AT4010700

has: 1 figure and 1 table.

ASSOCIATION: Instytut metalofizyki AN UkrRSR (Metallophysics Institute, AN UkrRSR)

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DATE ACQ: 31Jan64

ENCL: 00

SUB CODES: ML

NO REF Sov: 003

OTHER: 001

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ACC NR: AT6010589

ENT(a)/T/EMP(t)/BT1 LJR(c) JD/JG/GD
SOURCE CODE: UR/0000/65/000/000/0147/0158

AUTHOR: Svechnikov, V. N. (Academician AN UkrSSR; Kobzenko, G. F.)

ORG: Institute of Metal Physics, AN UkrSSR (Institut metallofiziki AN UkrSSR)
TITLE: Phase equilibrium diagram of the chromium-niobium-molybdenum system
SOURCE: AN UkrSSR. Fazovyye prevrashcheniya v metallakh i splavakh (Phase transfor-
mations in metals and alloys). Kiev, Naukova dumka, 1968, 147-15847
B+1TOPIC TAGS: chromium alloy, niobium alloy, molybdenum alloy, alloy phase diagram,
x-ray analysis, thermal analysisABSTRACT: The Cr-Nb-Mo system was studied chiefly by differential thermal and x-ray
structural analyses on 223 ternary and 78 binary alloys, both cast and annealed. Auxiliary
methods employed were microstructural and dilatometric analyses and macro- and micro-
hardness techniques. The results permitted the construction of a complete phase diagram
of the Cr-Nb-Mo system under close-to-equilibrium conditions. The over-all appearance
of the diagram (see Fig. 1) was determined by plotting binary diagrams, six isothermal
diagrams, eight polythermal sections (five radial ones originating from NbCr), plotted on
the basis of experimental data, and five isothermal and twelve polythermal sections (one
radial), plotted mainly by interpolation. Alloys of this system in the range from 1000°C to
temperatures above the melting point of molybdenum can exist in thirteen phase states, four
of which (L , $L + \alpha$, $L + \epsilon$, $L + \epsilon + \alpha$) are equilibrium systems containing a liquid and solid

Card 1/2

AUTHORS:

Gorovova, V., Senior Economist; Kobzov, A., District Inspector (Stalin'skiy rayon, Akmolinskaya oblast)
SOV/2-58-11-5/18

TITLE:

The Lessons of the Test Census Takings Have Been Considered
(Uchenny uroki probnoy perepisi)

PERIODICAL:

Vestnik statistiki, 1958, Nr 11, pp 25-29 (USSR)

ABSTRACT:

The authors describe the particular conditions in the Stalin'skiy district (Akmolinskaya oblast') and enumerate all preparations performed for the All-Union census in January 1959. There are 2 tables.

ASSOCIATION:

Upravleniye po provedeniyu Vsesoyuznoy perepisi naseleniya
TsSU SSSR (The USSR TsSU Administration Conducting the
All-Union Census); TsSU SSSR (The USSR Central Adminis-
tration of Statistics)

Card 1/1

KOBZEV, A.

People in the Altai Territory are working according to the new
methods. Obshchestv. pit. no. 7:24-27 J1 '62.

(MIRA 15:10)

1. Instruktor Altayskogo krayevogo komiteta Kommunisticheskoy
partii Sovetskogo Soyuza, Barnaul.

(Altai Territory - Restaurants, lunchrooms, etc.)

KOBZEV, A. A.

VINOKUROV, B.N., tekhnik; KOBZEV, A.A., radiomekhanik

Automatic switching-in of a RX-0,5 radio station. Vest.
sviazi 15 no.4:30 Ap '55. (MLRA 8:6)
(Radio stations)

2000. **AORZEV, A. F.** *Zapols'ye. ((In: Entsiklopedicheskii slovar' voennoi meditsiny, ed. E. I. Smirnov. Moskva, 1947. t. 2, col. 758-78, illus., diagrs., map) Title tr.: Polar territories. (In: Encyclopedic dictionary of war medicine).*
Contains remarks on the extent of the area (north of 66°30' N. lat.) and outline (in brief) of World War I, the Revolution, Intervention and liberation in the area; (in more detail): the organization of military medical services during that period; World War II; physical geography and its significance for military medical operations (relief, geology and soil, lakes and rivers, swamps, peat bogs, etc.) peat, its composition and use; climate (temperatures, precipitation, winds and storms, etc.), local fuels; huts and tents; roads; diseases in some army units in the area; special hygiene and clothing requirements for this area; personal hygiene and clean-

World War I, the Revolution, intervention and liberation in the area; (in more detail): the organization of military medical services during that period; World War II; physical geography and its significance for military medical operations (relief, geology and soil, lakes and rivers, swamps, peat bogs, etc.) peat, its composition and use; climate (temperatures, precipitation, winds and storms, etc.), local fuels; huts and tents; roads; diseases in some army units in the area; special hygiene and clothing requirements for this area; personal hygiene and cleanliness; evacuation of wounded military personnel; equipment of medical and sanitary units, etc. The article is based on Russian experience in the two world wars and consequently relates only to the European Arctic. Bibliography (about 50 items).

Copy seen: DSG.

"A. F., COL, (MED)

PA 53772

Medicine - Medicine, Military
Medicine - Therapy

Nov 1947

"Some Questions of Therapy and Organization of Medi-
cal Officers During Peace," Col A. F. Kober (Med),
38 pp

"Voyen-Medits Zurnal" No 11

Describes briefly changes made in organization and
methods of treatment by medical officers, for ser-
vice during peace. Outlines staffs necessary for
clinical establishments, hospitals, etc.

20

53772

"APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723420010-2

DOKUCHAYEV, M.M., insh.; KOBLEV, A.I., insh.

Constructing dam by the method of directed blasting. Nov. tekhn. i
pered. op. v strel. 20 no.9:15-17 8/58.
(Dams) (Blasting) (MTRA 11:10)

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723420010-2"

KOBZEV, D.I.

[Ice cream manufacture] Proizvodstvo moroshenogo. Moskva, Glav-
Khladprom, 1948. 342 p.
(Ice cream, ices, etc.) (MIRA 8:2)

KOBZEV, D. I.

Technology

Making ice cream, Moskva, Pishchepromizdat, 1951.

9. Monthly List of Russian Accessions, Library of Congress, December 1953, Uncl.
2

1. KOBZEV. D., Eng.

2. USSR (600)

4. Komarov, Nikolai Stepanovich

7. "Refrigeration technology in commercial enterprises."
N. S. Komarov. Reviewed by Eng. D. Kobzev. Khol. tekhn. 29 No. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

1. KOBZEV, D., Eng.
2. USSR (60)
4. Ice Cream, Ices, Etc.
7. Keeping ice cream for long periods. Nhol. tekhn. 29, no. 4, 1952.
9. Monthly List of Russian Accessions. Library of Congress, March 1953. Unclassified.

KOMAROV, N.; MARTYNOVSKII, V.; KORZEV, D., Engr.
Matalasov, S. F.

Textbook with shortcomings ("Refrigerated transportation" S.F. Matalasov.
Reviewed by Profs. N. Komarov, V. Martynovskii, Eng. D. Kobzev).
Khokh. tekhn 30 No. 1, 1953

Monthly List of Russian Accessions, Library of Congress, June 1953, Vol. 1.

KOBZEV, B., inzhener.

Plans for economical meat plants, Nizs. Ind. SSSR no. 2:30-31 '57.
(Meat industry)
(MIRA 10:5)

KORZEV, D. A. inshener.

Further application of new refrigeration developments. Miss.Ind.
SSSR 28 no.1:19-21 '57.
(Refrigeration and refrigerating machinery)
(Meat, Frozen) (MIRA 10:3)

KOBZEV, F.F.

Translation from: Referativnyy Zhurnal, Mashinostroyeniye, 1957, 123-1-1853
Nr 1, p.267 (USSR)

AUTHORS: Rustamov, E.M., Kobzev, F.F.

TITLE: Bell Socket for Fishing out Deep Well Insert Pumps
(Rod Pumps*) (Kolokol dlya lovli vstavnykh glubinnykh
nasosov)

PERIODICAL: Novosti neft. tekhniki, Neftepromysl. delo, 1956,
Nr 3, pp.23-25

ABSTRACT: Description is given of four types (KB-19, KB24-19, KB3-22,
and KB4-25), of special fishing bell sockets for re-
trieving deep well insert pumps, developed by the Bureau
of Deep Pumps of the AZINMASH (Azerbaijhan Scientific
Research Institute of Machine Building for the Oil
Industry). These sockets are used to retrieve H/B
insert pumps (in case of broken rods or while unscrewing

Card 1/2

Bell Socket for Fishing out Deep Well Insert Pumps (Cont.)

123-1-1853

them from the plunger cage or from the adapter) without removing the column of pump compressor pipes. The socket consists of an adapter, a branch pipe and body. The lower part of the body has a metal thread of large pitch matching the thread on the pump guiding rod. The socket may be lowered while the drilling fluid is in the pipe column. A table with technical data of fishing bell sockets is provided.

S.Yu.M.

*Rod pump- a more recent term, according to the 'Petroleum Production Engineering' by Lester C. Uren.

Card 2/2

REF ID: A6571-5
ACC NR: AP6029770

ENT(1)/T LJP(c)

SOURCE CODE: UR/0294/66/004/004/0473/0479

AUTHOR: Kobzov, G. A.; Norman, G. E.; Saryakov, K. I.55
BORG: Moscow Power Engineering Institute (Moskovskiy energeticheskiy institut); High Temperature Scientific Research Institute (Nauchno-issledovatel'skiy institut vysokikh temperatur)TITLE: Determination of photoionization cross sections from the oscillator strengths of spectral linesSOURCE: Teplofizika vysokikh temperatur, v. 4, no. 4, 1966, 473-479TOPIC TAGS: oscillator strength, photoionization, photoionization cross section, spectral line, ionization, cross sectionABSTRACT: It is pointed out that the photoionization cross section in the prethreshold region can be calculated by extrapolation, i.e., by extrapolating a smooth curve drawn through the points representing the oscillator strengths for a group of lines of a spectral series. Using this method the authors calculated the cross sections for photoionization from the ground state of Al, Ga, In, and Sr. It is pointed out that when both the cross sections for photoionization and oscillator strengths have been measured, the correspondence between the cross sections and the density of oscillator strengths can be used to deter-

Card 1/2

UDC: 533.933

25(1)

AUTHOR:

Kobzov, I.F., Engineer

SOV/135-59-3-12/24

TITLE:

The Development of Welding at the Chelyabinsk Tractor Plant
(Razvitiye svarki na Chelyabinskem traktornom zavode)

PERIODICAL:

Svarochnoye proizvodstvo, 1959, Nr 3, pp 23-27 (USSR)

ABSTRACT:

This is a general review of the development of welding at the Chelyabinsk Tractor Plant as follows: a pulsation conveyor (Fig. 6) for the assembly and welding of the lengthwise chassis members; a spot welding manipulator; a vibro-arc head (designed by Engineer G.P. Klekovkin and built for the first time in 1953) designed for restoring worn machine parts and damaged surfaces. The plant has developed the automatic coating of high-speed steel on milling cutter blanks of steel "45" or "45Kh". The method consists in the use of high-speed steel rods laid into grooves milled in the cutter blank (Fig. 11) and fused. There are 6 photos, 6 diagrams and 2 tables.

Card 1/1

KOMZEV, I.F., inzh.

Some problems concerning the quality, reliability, and durability
of welded tractor parts. Svar. proizv. no. 7:4-6 J1 '65. (MIRA 18:8)

1. Chelyabinskij traktornyj zavod.

KOBZENY. Isaay Fedorovich; MASLOV., Yu.A., insh., retsensent; IBS'KOV,
K.A., dotsent, red.; DENISOV, Yu.A., insh., red.; MARCHENKOV,
I.A., tekhn.red.

[Gas-arc welding] Gaselektricheskia svarka. Pod red. K.A.
Is'kova. Moskva, Gos.suchno-tekhn.izd-vo mashinostroit.lit-ry,
1960. 47 p. (Nauchno-populjarnaja biblioteka rabochego-svarshchika,
no.15). (NIRA 14:2)

(Electric welding) (Protective atmospheres)

KOBZEV, I.P., insh.; KARPOVA, N.A., insh.

Automatic welding of the S-100 tractor frame joints. Svar,proissv.
no.6130-32 Je '60. (MIRA 13:7)

1. Chelyabinskij traktornyj zavod.
(Tractors-Welding)

KOBZEV, I.P., inzh.

Mechanization of welding operations in tractor building.
Svar. proizv. no. 10:29-31 0 '61. (MIRA 14:9)

1. Chelyabinskij traktornyj zavod.
(Electric welding—Equipment and supplies)
(Tractors—Welding)

KOZEV, I.P.

Automatic welding of intricately shaped parts with the help of a
master form. Avtom.svar. 15 no.4:71-72 Ap '62. (MIRA 15:3)

1. Chelyabinskij traktornyj zavod.
(Electric welding—Equipment and supplies)

KOEZEV, I.I.; KORSHUN, T.V.

Friction welding at the Chelyabinsk Tractor Plant. Avtom. svar.
15 no.1:64-72 Ja '62. (MIRA 14:12)

1. Chelyabinskij ordenov Krasnoy Zvezdy i Kutuzova I stepeni
traktornyy zavod.

(Chelyabinsk---Tractor industry)
(Cold welding)

KOBZEV, I.P., inzh.

New group of welding engineers. Svar. proizv. no.10:45 0 '63,
1. Predsedatel' Gosudarstvennoy ekzaminatsionnoy komissii Chelya-
binskogo instituta. (MIRA 16:11)

KOBZEV, K. (Robno)

Training on motorcycles. Poch. delo 3 no. 5:23 Ky '57. (MLR 10:7)
(Fire departments--Equipment and supplies)

KOBZIN, M. S. BORISOV, P. G.

Physics majors are leading scientific clubs in rural schools,
Politekh. obuch. no. 7:80-81 J1 '88. (MIRA 11:8)
(Students' societies)

GORCHAKOV, Svyatoslav Petrovich; KORZEV, Nikolay Andreyevich; ISTOMIN,
S.N., otv. red.; SILINA, L.A., red. Izd-va; MINSKER, L.I.,
tekhn. red.; LOMILINA, L.N., tekhn. red.

[Guide for the track maintenance worker] Spravochnoe posobie pu-
tevogo rabochego. Moscow, Gos. nauchno-tekhn. izd-vo lit-ry po
gornomu delu, 1961. 62 p. (MIRA 15:2)
(Railroads—Track)

KOBZEV, N.A.

Relations between the division and track machinery stations.
Put! 1 put.khoz. 9 no.6:17 '65. (MIRA 18'6)

1. Nachal'nik distantii piti, stantsiya Moskva-Kazenskaya.

ACC NR: AT8037043

SOURCE CODE: UR/0000/66/000/000/0044/0054

AUTHOR: Likharev, V. A. (Candidate of technical sciences); Dobrolyubov, L. V.
(Engineer); Kobzev, N. A. (Engineer)

ORG: none

TITLE: Simulation of random numbers on an electronic digital computer

SOURCE: Moscow. Aviatsionnyy institut. Teoriya i tekhnika radiolokatsii (Radar
theory and techniques); sbornik statey, no. 1, Moscow, izd-vo Mashinostroyeniye,
1966, 44-54TOPIC TAGS: computer simulation, digital computer, random number, random
number simulation / BESM-2M digital computerABSTRACT: Methods are received of obtaining random number sequences with a
given law of distribution by means of uniformly distributed random numbers.
Output programs of the latter are presented on a high-speed BESM-2M computer.
As examples, a description is given of the derivation of one-dimensional normal,
exponential, Rayleigh and generalized Rayleigh laws, as well as of the results of

UDC: 881.142.4:621.398.985(04)

ACC NR APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723420010-2

the verification of the correlation of uniform distribution, of the confidence
normal and given distributions, and of an evaluation of the numerical character-
istics by the method of confidence intervals. Orig. art. has: 12 formulas,
2 figures, 2 tables and 4 appendixes. [Translation of abstract] [DW]

SUB CODE: 09/SUBM DATE: 15/6/64/ ORIG REF: 005/OTH REF: 001/

Card 2/2

KOBZEV, P.

Improve the technical training of communal workers, Zhil.-kom. khoz.
8 no. 8:4-5 '58.
(MIRA 11:8)

1. Zamestitel' direktora instituta tekhnicheskogo obucheniya
Ministerstva komunal'nogo khozyaystva RSFSR po uchebnoy chasti.
(Moscow--Technical education)

KOBZEV, P.

Institute of Technical Training helps public service employees to improve their qualifications. Zhil.-kom. khos. 10 no.12:12-13 '60.
(MIRA 13:12)

1. Zamestritel' direktora po uchebnoy chasti Instituta tekhnicheskogo obucheniya.
(Technical education)

KOBZEV, P., insh.

Traffic intervals and the efficient operation of urban motor-buses. Avt.transp. 41 no.2 all-13 P '63. (MIRA 16:2)
(Motorbus lines)

KOBCEV, P.

Flexible floating containers for marine transportation. Mar. 1964
24 no. 12:40 D '64.
(MIRA 18:8)

1. Glavnyy redaktor Ekspress-informatsii. Vsesoyuznogo Instituta
nauchnyy i tekhnicheskiy informatsii AN SSSR.

L 17327-63

EDS

ACCESSION NR: AP3004901

S/0120/63/000/004/0112/0115

AUTHOR: Batrakov, B. P.; Kobsev, P. M.51
50TITLE: Omegatron for ultrahigh-vacuum measurementsSOURCE: Pribory i tekhnika eksperimenta, no. 4, 1963, 112-115TOPIC TAGS: omegatron, ultrahigh vacuum

ABSTRACT: The principal shortcoming of existing omegatron designs has been the fact that exhaust slits between electrodes are too narrow. A new design is described with perforated electrodes that make the exhaust rate higher by one order. The total area of perforations in this "transparent" design is about 1,000 mm². Experimental verification has shown (mass-spectrogram supplied) that the transparent omegatron has a substantially lower background noise. Ion current vs. catching voltage, and ion current vs. electron current characteristics are given, as well as data on the residual atmosphere of the hydrogen

Cord 1/2

L 17327-63

ACCESSION NR: AP3004901

condensation-type vacuum pump. Orig. art. has: 5 figures.

ASSOCIATION: Fiziko-tekhnicheskiy institut AN UkrSSR (Physico-Technical Institute, AN UkrSSR)

SUBMITTED: 12Sep62

DATE ACQ: 28Aug63

ENCL: 00

SUB CODE: PH, GE

NO REF SOV: 0Q1

OTHER: '001

Card 2/2

BOROVIK, Ye.S.; BATRAKOV, B.P.; KOBZEV, P.M.

Helium liquefier with flow-through liquid heat exchangers.
Prib. i tekhn. eksp. 9 no.4:197-200 Jl-Ag '64. (MIRA 17:12)

KORZEV, P.P.

Study of passenger flow for rational utilization of rolling
stock. Sbor.nauch.rab. Akh no.13:218-226 '62. (MIRA 16:4)
(Local transit)

KOBZEV, V. kandidat tekhnicheskikh nauk.

Semiconductors in the aeronautics of the near future. Orashd. av.
13 no.4:17 Ap '56. (MIRA 9:7)
(Semiconductors)

KOBZEV, V.

Semiconductors in aviation in the near future. Tr. from the Russian. p.46.
(RADIO I TELEVIZIIA, Vol. 6, no. 7, 1957, Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 12, December 1957 Uncl.

KOBZEV, V.

2-58-4-9/14

AUTHORS: Avdyugina, T., Bunatyan, Sh., Cinzburg, Ye., Kozlova, K.,
Economists; Kobzev, V., Engineer-Mechanizer

TITLE: Active Help Needed (Muzhna pomoshch' delom)

PERIODICAL: Vestnik Statistiki, 1958, Nr 4, pp 80-81 (USSR)

ABSTRACT: The article is a report by a number of statisticians and computer experts from the USSR Central Statistical Administration sent in January 1958 to assist the Georgian Statistical Administration. Undertakings and firms had been negligent and dilatory in furnishing the required statistical reports. In addition, there had been insufficient co-operation and synchronization between branch departments and computer stations. As a result of warnings issued to undertakings and improved methods adopted in computer stations, the efficiency of dispatching, processing, and analysing data greatly increased and reports were published on time. It is recommended that more such brigades be sent.

Card 1/2

Active Help Needed

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723420010-2

ASSOCIATIONS: TsSU SSSR (TsSU USSR)

Soyuzmashuchet TsSU SSSR (Soyuzmashuchet TsSU USSR)

AVAILABLE: Library of Congress

Card 2/2

L 26778-66 EWT(n)

ACC NR: AP6017443

SOURCE CODE: UR/0361/65/000/002/0003/0009

AUTHOR: Kobzev, V. A.; Takibayev, Zh. S.; Shalagina, Ye. V.

43

B

ORG: none

19

TITLE: Effect of the cascade process on the output of helium isotopes during the interaction of 9 Bev primary protons with the nuclei of a photoemulsion

SOURCE: AN KasSSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, no. 2, 1963, 3-4

TOPIC TAGS: isotope, proton interaction, alpha particle, photographic emulsion, angular distribution, nucleon

ABSTRACT: The article is a description of an experiment conducted to explain the mechanism of the formation of α -particles with a kinetic energy of > 100 Mev which are given off when 9 Bev protons interact with the nuclei of a photoemulsion. It was proposed that α -substructures exist inside a nucleus which act like free α -particles when they interact with nucleons. Descriptions of the various nuclear particles are presented on the basis of the above assumptions, together with results from analysis of 69 stars formed under the above conditions. The angular distributions of the tracks are given, together with explanations for deviations from other works. The conclusion is drawn that the emission of

Card 1/2

2

L 26778-66

ACC NR: AF-017443

all α -particles from nuclei cannot be explained by quasielastic scattering of cascade protons in the inner nuclear α -substructures. To fully explain the role of the α -particle cascade, further investigation is required. In particular, α -particle formation will be studied during interaction of 19.5 Bev protons with the atomic nuclei of a photoemulsion. Orig. art. has: 4 figures and 1 table. [JPRS]

SUB CODE: 20, 18 / SUBM DATE: 22Jan64 / ORIG REF: 009 / OTH REF: 007

Card 2/2 *pla*

24.6700

S/048/62/026/005/006/022
B108/B104

AUTHORS: Takibayev, Zh. S., Kobzev, V. A., Tsadikova, G. R., and Shalagina, Ye. V.

TITLE: Emission of doubly-charged high-energy particles in proton-induced nuclear fission processes

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 26, no. 5, 1962, 592-595

TEXT: In order to find the origin of the high-energy fragments from star-type nuclear fission processes induced by cosmic rays, the authors looked for doubly-charged high-energy particles in stars caused by 9-Bev protons in photoemulsion. The traces of all Z=2 particles were identified as belonging to alphas with energies ranging from about 100 to about 2000 Mev. Some of these traces, however, may also pertain to He^3 nuclei which are difficult to distinguish from alphas. There are 3 figures and 1 table.

Card 1/1

KOBZEV, V.A., LUKIN, Yu.T.; TAKIBAYEV, Zh.S.; TSADIKOVA, G.R.; SHALAGINA, Ye.V.

Proton-proton interaction at an energy of 9 Mev. Zhur.eksp. i teor.fiz. 41 no.3:747-751 S '61. (MIRA 14:10)

1. Kazakhskiy gosudarstvennyy universitet.
(Protons) (Collisions (Nuclear physics))

TAKIBAYEV, Zh.S.; KOBZEV, V.A.; TSADIKOVA, G.R.; SHALAGINA, Ye.V.

Emission of doubly charged high energy particles in nuclear
fissions caused by protons. Izv.AN SSSR.Ser.fiz. 26 no.5:
592-595 Ap '62. (MIRA 15:5)
(Cosmic rays) (Nuclear fission) (Protons)

KOBZEV, V.A.; TAKIBAYEV, Zh.S.; SHALAGINA, Ye.V.; SHTERN, G.R.

Analysis of high-energy helium isotopes emitted in the interaction of protons with photoemulsion nuclei. Trudy Inst. iad. fiz. AN Kazakh. SSR 6:133-139 '63. (MIRA 16:10)

KOBZEV, V.G., inzh.

Some new products of Bisk boiler plant. Energomashinostroenie 8
no.2:28, 33 F '62. (MIRA 15:2)
(Bisk--Boiler-making industry)

KOBZEV, V.S., kand. sel'skokhozyaistvennykh nauk

Simple device for illuminating Polianskii's speculum. Zhivotnovod-
stvo 21 no.11:78 N '59 (MIRA 13:3)
(Artificial insemination)
(Veterinary instruments and apparatus)

KOBZEV, V. S.

KOBZEV, V. S. -- "Attempt to Study the Milk Productivity of Individual Sections of the Udder of the Cow Machine Milking with and without Complete Milking). Min Higher Education USSR, Novocherkassk Zootechnological Veterinary Inst imeni First Cavalry Army, Novocherkassk, 1955. (Dissertations for the Degree of Candidate of Agricultural Sciences)

SO: Knizhnaya Letopis' No. 39, 24 Sept 55

Mikhailovich, K.N., Kobzev, V.V.

Synthesis of complex vanadium cyanides and their reducing capacities. Dokl. Akad. Nauk SSSR 124:126 (1958) (MTPA 17:6)

• USSR / Radiophysics

I

Abs Jour : Ref Zhur -Fizika, No 4, 1957, No 10051

Author : Kobzev, V.V., Smetanina, D.I.
Inst : Not given

Title : Design of Transistor Low Frequency Amplifiers.

Orig Pub : Elektrosvyaz', 1956, No 9, 13-25

Abstract : The authors discuss the problems in the choice of optimum instability coefficient with respect to dc, calculation of the value of the interstage capacitor, and also of the capacitor shunting the resistance in the emitter circuit (for a grounded-emitter circuit). Calculation of the matching of the stages is given and practical data are given on two and three stage amplifiers. The advisability of employing emitter repeaters for stage matching is noted. For input stages of low frequency amplifiers, it is recommended that the P10 transistor be used. It is reported that the P10

Card : 1/2

• USSR / Radiophysics.

I

Abs Jour : Ref Zhur - Fizika, No 4, 1957, No 10051

Abstract : transistor, when fed from one 3SL-30 dry cell, gives a voltage gain of approximately 37 at load resistance of 10 kilohms. Frequency characteristics, the curves of the dependence of the gain on the temperature, and tables of the amplifier parameters for Russian junction transistors are all given.

Card : 2/2

KOBZEV, V.V.; BERNSTEIN, P.D.

Designing high-frequency oscillators equipped with junction triodes.
Poluprov. prib. i ikh prim. no. 288-297 '57. (MIREA 11:6)
(Oscillators, Transistor)

"APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723420010-2

....., and ~~parasitiv~~, p. D.

"Problem of Designing High-frequency Self-excited Oscillators Equipped with Junction Transistors," Semiconductor Devices and Their Uses; Collection of Articles, No. 2, p. 288, Moscow, Izd-vo "Sovetskoye radio," 1957.

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723420010-2"